the Cannon
THE OFFICIAL NEWSPAPER OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY
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Protect Your Hard Hat!

by Karen Virk, Assistant Cannon Editor for ELEC 97

WHAT'S INSIDE

EDITORIAL
- *A few words from Albert Lee, our new editor*
- *The assistant editor, Karen Virk, rambles*

CANNON POLL
- *Patrick Quinn's controversial article on the image of engineering students*

OPINIONS
- *A Frosh idea on the attitude of upper years*

NEWS
- *Mech and Indy merge*
- *Different courses for Elecs and Comps*
- *New communication courses for engineers*
- *Skule™ Daze huge success over summer*
- *New points system for Skule™ players*

SPECIAL FROSH SECTION
- *The mysteries of engineering traditions revealed!*
- *Meet the Queen Keen (also known as Girl)*
- *Intro to the key players at Skule™*
- *Meet your club chairs and get the scoop on club events*

ENTERTAINMENT
- *How to make the most out of life at Skule™*

SPORTS
- *How to get involve in Skule™ sports*
- *Blew Crew events*
- *Rugby team represents us well*

ANNOUNCEMENTS
- *Skule™ Nite auditions coming up*
- *How to join The Cannon!*

Are you immature? Do you hate all arts? Do you really need that hard hat? Believe it or not, all these questions are of grave importance if you are a U of T Engineer. Many are shaking their heads at the "loud and boorish" nature of the engineers; and many engineers are shaking their heads in bewilderment. It is true that over the decades U of T Engineers have established a reputation as spirited to the point of immaturity. That reputation now carries on into today's strict times as an extreme handicap.

Patrick J. Quinn recently published an article in the July/August 1996 issue of Engineering Dimensions stating that the behaviour of engineering students in schools is largely inappropriate. *(For full article* if the Hat Fits, *refer to page 3)* indeed he pointed to the behaviour of our engineers at Skule™ as the prime example of that. In short, it was said that the cheer "Who do we hate? Artsies!!!" is a horrid example of arrogance while failing to mention the artsie cheer "Engineers are Queers!". The hard hat was also attacked because he felt it did not represent engineers rather it represents construction workers. Assistant Dean Malcolm McGrath, P.Eng. laughingly stated, "Does he think all construction workers are boors?"

When asked about the article in general, Malcolm McGrath said "I, for one, am a great believer in the benefits of humour. This belief obviously varies from person to person as do the things that individuals find amusing. However, in these politically correct times, the range of it grows smaller and smaller - in some cases, disappearing altogether. In this way at least, New Puritanism is rather depressingly similar to the old. It is unfortunate that some [individuals] may have found the humour offensive."

Dean Michael E. Charles stated, "Engineering students and graduates form a central pillar of society and contribute to its well-being in numerous ways. It is, therefore, important to minimize any attitudes and behaviour which can be regarded as counter productive.

The Faculty has an enviable reputation based in large part on the outstanding abilities of our students and graduates. Let's keep it that way at a time when we are looking increasingly to alumni, friends and corporations for financial support for undergraduate programs, scholarships and bursaries."

It is undeniable that Skule™ has a reputation that precedes it. For some, it is extremely positive, and for others, well... it is unfortunate that there are those who feel that Skule™ Spirit has a negative impact on the engineering profession, but there are scores of others who are extremely envious of what U of T Engineers possess. Engineers are often considered loud and rowdy, but is that an example of today or is that an echo of the past? And what level of spirit is acceptable? Is this just an example of a modern day witch hunt? By far the most powerful question there is at this time is, do we have a serious problem?

As to the question of orientation, it is considered by most who go through it as an extremely positive experience. Engineers, for the most part, do not at all exhibit a sadistic nature and most Frosh who attend orientation at no time feel pressured or overwhelmed. There is even a committee (Skule™ Patroll) responsible for making sure that all Frosh feel welcome. About the hard hats, what's wrong with them? What some don't realize is that some students need them. It is easy to forget the origin of engineering with today's computer age intruding, but hard hats were and are much needed by engineers. As a result, it is not surprising that there is little objection to using it as a symbol of our fine profession.

Speaking of which, there is a lot more to engineers than just thier profession. Engineering students are much more integrated into the arts than one would suppose. It is not uncommon to find musicians, actors, writors, debators and others "with souls of artsies" in our faculty. Engineering students are more involved in university activities per capita than arts and scitehce students in general. It is quite unfair to generalize engineers as tecnology loving, arts hating, H.P. possessing introverts or to generalize them as beer drinking, sexist/racist/and any other "ist", morons. There are many facets to engineers and to be well-rounded, we need them all. The friendly rivalry between arts and science students and engineers is a fun and harmless way of keeping up the spirit in both faculties.

Perhaps the problem with the image of engineering isn't with the engineering students themselves but perhaps the burden lies with those who generate publicity while thinking to stop a potential problem. In this case, the engineering students themselves are the ones who suffer to the greater extent. They are the ones who must overcome the stigma of pointed fingers to be successful.

U of T Engineers are scheduled to print a platform article in the January/February 1997 issue of Engineering Dimensions on the image of engineering students. All input and viewpoints from students are invited. See page 3 for details.

Farewell To A Friend

by Lubomir Bradic MMS 9T9 and Roman Pahuta ELEC 9T9

On the evening of Thursday June 20, a tragic motorcycle accident claimed the life of Warren Miedema. At that time Warren, through his great determination, had successfully completed his first year of Civil Engineering.

Most people knew Warren as a cheerful guy with a unique sense of humour. His ever present huge grin, messy blonde hair and tall posture made his appearance unmistakable. With his amusing anecdotes he made us forget about our failed tests and missed labs, and made our endless hours of "lunch" spent in the atrium pass all too quickly. Those who knew him will remember him as a crowd-surfer extraordinaire, as demonstrated at the Cannon Ball, as well as a great beer connoisseur. His chalice, always filled to the brim with "the nectar of the gods", was his pride and joy. We will always remember his efforts to keep the fine engineering institution called Suds in business, by becoming one of its finest and most reliable customers. There he demonstrated great potential and talent for civil engineering by co-ordinating and participating in complex projects such as building pyramids out beer cups (The Beeramid Project).

Warren was known for his great story-telling abilities, which provided great insights into the exciting world of rural Ontario, and many hours of belly-aching laughter. With his chutzpah, he served as an endless inspiration to all, and demonstrated that every moment of one's life should not go to waste. His weekly "celebrations of life" at Innis residence helped us keep our sanity through the mind-numbing torture of lectures ("Ecology of technology? Yah, okay, whatever!"), tutorials ("ΔΦΘμζ, okay?"), labs ("I'm sorry I'm late, Penny"), and tests ("Prove what? Nah, trick question!").

Warren was also an integral part of the Frosh dominated engineering water polo team. His "bullet"-like quickness in the water was an important part in the utter annihilation (in spirit) of the "other" engineering water polo team.

Warren should be remembered as a charismatic person and for the great friend that he was. His death is a profound loss to his many friends from Toronto and elsewhere. We will all miss him greatly and will remember him forever.

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PLEASE NOTE
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Editorials

Rewriting The Cannon

by Albert Lee, Editor COMP 9T9

Hi there! My name is Albert Lee and I'm the new Editor of the Cannon. The Cannon's mandate is to publish information pertinent to the interests of the engineering student body. That means you!

Every month, we will be covering many events happening in and around Skule™. This includes hard news issues that concern you (such as tuition hikes, course changes, job hunting tips), updates from Eng Soc meetings, EAA sports scores, and Engineering Club announcements. On the lighter side, we are also featuring editorials (both written and visual), an arts and entertainment page (concert listings, music reviews, poems, artwork, etc...), and more.

What else do you want? I don't know! (But I'll listen.) I want to hear from you. If you've read something in the paper that you'd like to respond to or perhaps you are an artist (not artsie) and have something you want everyone to see, you can send it to The Cannon. We'll take a look-see and maybe you'll it in print.

In fact, in our next issue will be having a feature on Orientation 9T6. Frosh, I want YOU to tell me whether you liked Orientation this year and why? The best responses will be printed in next month's Cannon. Non-Frosh are also invited to respond to Orientation 9T6.

All letters, articles, and artwork can be either dropped off in The Cannon mailbox in Eng Soc or e-mailed to me (leealb@ecf) or my assistant editor, Karen (virk@ecf).

Anyways, that's my two bits. Good luck in the Skule™ and I'll see you all next month.

Welcome to the Dark Side

by Karen Virk, Assistant Editor ELEC 9T9

Beware the shaded valley of Zador.

Mwa ha ha ha!

Hello y'all! I'm Karen Virk, the assistant editor of the Cannon, otherwise known as *The Cannon*. When I realized that I would get a space to rant and rave every issue, I was ecstatic! (I just *love* to rant and rave). Then I started to think about it. What is there to write about? Well, I was thinking of the tuition hike, but hey, we go through that every year and someone, somewhere is writing about it. Then I pondered writing about the elemental shift of society towards political correctness. But that topic has already sapped most of my energy. Then little pet peeves like why does Microsoft Word 7.0 underline my last name with that little red wavy thing? Am I not important to Bill Gates? And what about the lack of M&M's in the world? Well at least in Scarborough. What gives? So I'm just going to think out loud, whatever comes into my mind.

Ahh.. Picture this. You are on a beautiful, sandy white beach, somewhere in the tropics all by yourself. Not a soul around for miles. Just you, the surf, a nifty palm tree to lean on, and a breezy cottage behind you with just the basic necessities of life! (T.V., satellite dish, and of course, a pentium laptop with a 28.8 modem to check my mail!) Boy! This is the life. No worries, no problem sets due, no exams to worry about. Did I mention that my cottage had no phone or pager? So I go out to the beach, with a book in my hand, to be one with the universe.

As I am so thoroughly relaxing, I notice that wow! it's awful lonesome out here. I shift uneasily on my mickey mouse beach towel. Hmm.. That patch of trees seems pretty thick, anything could be hiding in there. There could be a crazed psychopath there, just biding his time until my fear heightens to the greatest possible pitch. Maybe this is just his idea of a sick, twisted game. He's going to come and force my ecf password from me then slowly and sadistically murder me!

Karen! Get a grip! God, you're pathetic. Your imagination is just running wild. You are on a beautiful beach, surrounded by great weather and nothing else. Soon the night will come and you can just lie back and gaze at the stars in awe. Soon the shadows will descend and leave you completely illuminated by the light of your little cottage, making you easy and accessible prey!

Why did you not at least keep an outgoing line! What kind of idiot decides to forgo a phone? Maybe you can take the camping kit and send out a flare. If you e-mail for help, will anyone care? Well, you're an engineer! Make a bloody phone!

$#&@!

Maybe you should just go inside and read on that comfy bean bag chair. And don't forget to lock the door! (grumble, grumble) I quickly pick up my towel and make my way indoors in great haste. I turn all the lights on and turn the television on full blast to give the illusion of human contact. Slowly, by small degrees I begin to relax and sleepily gaze out the window. God, that beach looks great.

At this point, you should all be saying to yourselves... who is this girl and is she crazy? The answer is yes of course. But I felt that you should get an accurate representation of me the first time you met me. And if you've already met me, this should only reinforce what you know.

But seriously, at this point I would like to welcome all the Frosh. You guys are in for the best years of your lives. While in engineering, you will learn to work hard and play hard, the only way to live. For the first time you will be pretty much on your own. Not the prodigal students of beloved teachers, or the teacher's private disaster if that was the case!, but a number to a distant professor. Though that shouldn't daunt you; you will learn to succeed without someone holding your hand and cheering you on. You'll do it for you and that will be enough.

And for all of you out there (not just you newcomers!) I would greatly encourage you to get involved. That is the only way you will fully benefit from your university experience. Join whatever you're interested in, be it a chess club, the local rowdies, eng soc, skule nite! or *THE CANNON!* Of course do so in moderation, this coming from one who knows. Don't kill yourself but get the most of what's offered to you because this really is your last chance to enjoy and let go and do what *you* want. Skule is no fun if you just go to class, go home, study then go to bed. Life won't hesitate to just pass you by if you're not paying attention.

Do what you love and love what you do! And be proud, you're engineers!

That's all folks!!

Cannon Poll

What do you think?

This article was printed in the July/August 1996 issue of *Engineering Dimensions*. The Engineering Society is scheduled to write a Platform article in the January/February 1997 issue from a student's point of view on the image of engineering schools. We would love to get your thoughts and opinions on it.

ARE YOU FOR OR AGAINST THIS ARTICLE?

Please e-mail *leealb@ecf* or *virk@ecf* or just drop off your response in The Cannon mailbox any time. We will be printing responses in the next issue of The Cannon.

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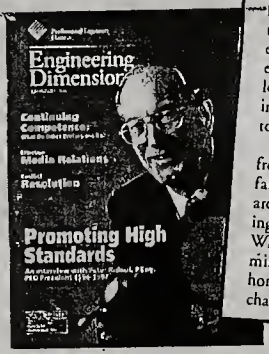


PLATFORM

If the Hat Fits

Patrick J. Quinn, P.Eng.

The engineering profession must take a stand now to eradicate inappropriate behaviour at engineering schools, says this structural engineer. The reason: no matter how positive the activities of the majority are, the antics of the few create an image with which all engineers must live.

After the article in the *Toronto Star* called "Taming the Engineers," I received a card from a woman married to an overseas-trained engineer, who was the mother of two Canadian-trained engineers, and who wrote of working against the anti-intellectualism her engineer sons had absorbed in Ontario universities. I also heard from an engineer who said he was surrounded by engineers who were intellectuals and art lovers and who described anti-art, anti-intellectual engineering students as thugs to whom he did not relate.

Part of the initiation of engineering frosh at the University of Toronto in the fall of 1995 involved them marching around campus in yellow hard hats chanting: "Artsies suck! Who are we? Engineers! Who do we hate? Artsies!" It boggles the mind that young men and women from homes like ours, with the intelligence and character required to qualify for engineering, can be, apparently readily, prevailed upon to act this way. It also boggles the mind that faculty and administration, in the climate of concern about the public image of engineers, tacitly approved this in 1995, and that their response to concerns about it is the defensive: "Why pick on this negative when a lot of positive things are also taking place?"

Students probably accept these initiation rites because young people are open, impressionable, vulnerable and desperately eager to fit in and be accepted. The hard-hat tradition of boorishness offers a last fling before getting down to the serious work of earning an engineering degree, and seems to be something that has come to be expected of initiations.

Seen from this perspective, what might be called negative frosh initiations have profound significance, with lasting effects on some students whose attitudes get cast and hardened. Such initiations also establish a reputation for engineers on campus as insensitive, which some then try to live up to in as public a way as possible. This often leads to publicity that contributes to and reinforces a negative public image for all engineers.

In this light, universities have a large responsibility for the attitudes of some engineers and for our public image. They are entrusted with our young impressionable minds, and when they pass that trust to second-year students already desensitized and even angered by their previous year's experience, a self-perpetuating cycle ensues. In 1996, universities must, once and for all, break a cycle of behaviour that is no longer acceptable, to either the profession or to society.

Several steps are involved: acceptance of a responsibility for change; directions from university authorities, and a sensitizing of those in the system, which may include not only students, but also graduates and faculty. Many faculty and other engineers probably hark back with some nostalgia to "war-story" memories of their own initiations, which permits their accepting and excusing behaviours that should have long since been consigned to memories. The hard hat prop should be similarly consigned: most people relate hard hats to construction workers. It's not a symbol for cultivating a professional image.

As engineers and engineering associations we need to take a stand. We need to say that we have no tolerance for behaviour that besmirches our collective reputation, and that we expect all Ontario engineering schools to have processes in place for 1996 that will obviate any potentially embarrassing situations.

What else can we do? We can offer to contribute speakers. We can develop a model initiation program that is long on the history of engineers as caring professionals with a heritage of public service and short on beer drinking and isolation from arts and culture. We can add to our accreditation requirements an impact for programs that contribute to enriching engineers' education, and can indicate that we will consider sanctions where offensive "traditions" continue.

Only by positive public steps can we jettison the image albatross around our necks, an image that lets the public nod their heads at titles like "Taming the Engineers." ◆

Patrick J. Quinn, P.Eng., is a structural engineer and principal, Quinn Dressel Associates, and a councillor, West Central Region, PEO Council.

Platform is a forum for opinion on current engineering issues. Ideas expressed do not necessarily reflect PEO opinion or policy, nor does the association assume responsibility for the opinions expressed.

Opinions

If you have an opinion to express or want to respond to an article, drop it in The Cannon mailbox and we'll take a look at it. We might just publish it!

A F!rosh Idea...

by Aldona Wiacek MY 979

Although I've heard much controversy over "Engineering Orientation Activities", overall, I believe it is a positive experience for the vast majority of Frosh and Frosh leaders who participate in it. Sure, there's some bullying, and all the Frosh have to "sizzle like bacon" during Orientation, but most of the time it is all in good fun. Compared to other universities, U of T Orientations [the term preferred over "initiations"] are rather tame, "wholesome" events in which most participants simply look to having a good time and to meeting new friend and classmates.

So what's my point, you ask? I am actually here to complain about what happens after Orientation is over. For two days, we show the Frosh around, give them free pizza and beer, and let them know who's boss in a more/less friendly way. We are their fearless leaders who introduce them to the phenomenon of Engineering. But after that, so many of us try to scare them, encourage them to aim for mediocrity or a bare pass, and infest their innocent minds with unjustified criticisms of the so-called "soft" courses like APS or English.

"Engineering is *SO* hard. You're gonna die/fry/burn!" "I'm just here for my 60." "APS? Bwahahaha!"

Like most things in life, such statements are harmless in moderation. However, too many engineering students make a habit out of saying them without stopping to think about the effect this might have on the people they come into contact with. Upperclassmen/women are immune to phrases like that, but if a frosh is constantly exposed to them, he/she will most likely be negatively affected. Adjusting to university life is stressful enough as it is for Frosh, why should we try to make it more difficult than it really is with depressing, defeatist comments?

Perhaps instead of always making engineering seem harder than it really is we should point out that we're surviving it. Instead of advocating the "underachiever" attitude out of pure habit, we could try to advocate more... et... independent... learning and problem solving. And finally, instead of laughing at APS and Effective Technical Writing, some of us could really work on our holistic approaches to science and our spelling and grammar.

Avoiding negative comments like the ones I mentioned above can make a big difference in our engineering community. Firstly, it allows the frosh to make up their own minds about how hard the program is, what grade they want to aim for, and what they think of "soft" courses. Secondly, it might make *you* feel more positive about where you are, what you're here for, and what you're getting out of it... [Thanks to those who contributed their insight - you know who you are.]

Skule News

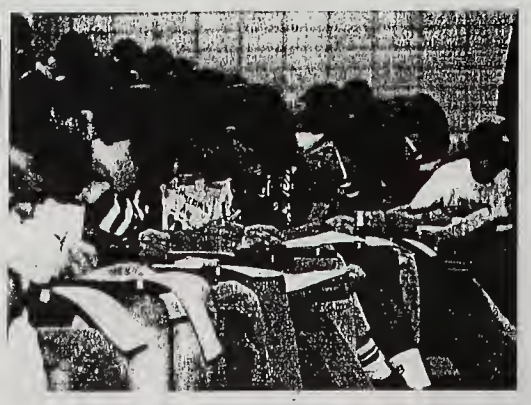
A Birth and a Merger

by Mae Yuen (Voluntary) X-NY 9T9

A few departmental changes will be taking place come September to better prepare students for their engineering careers. Environmental considerations have always been important to engineering projects, and this year marks the beginning of environmental engineering options for students interested in this aspect of their chosen profession. As well, the Departments of Mechanical Engineering and Industrial Engineering have formally merged to form the new Department of Mechanical and Industrial Engineering.

The Division of Environmental Engineering has been established, and its programs will be administered from the Collaborative Program for Environmental Engineering as an option to second year students of Civil, Chemical, and Mechanical Engineering. Students choosing to follow this option will still cover almost all of the core material in their respective programs, however their social science/humanities electives are replaced with new environmental courses, bringing students from all three departments together. As well, technical electives will be selected from a list of environmentally-oriented courses being phased in over the next few years. Finally, their fourth year thesis must be relevant to Environmental Engineering.

In the new Department of Mechanical and Industrial Engineering, second-year students in either discipline will follow a common curriculum in the fall term and share 3-4 courses in the spring term. This new curriculum contains basic elements from both Mechanical and Industrial Engineering giving the student the flexibility to choose between both professions during the first two years; the third and fourth years of each program remaining the same. This merger has been made for two main reasons: Primarily, high school students are rather unfamiliar with the discipline of Industrial Engineering, and by taking advantage of the similarities between Mechanical and Industrial, they have the opportunity to experience both disciplines before deciding which profession to pursue. In addition, rather than sustaining two divisional executive teams for each faculty, only one would be required. These savings can then be put towards student resources such as lab equipment.



Enriched Courses for Comps and Elecs

By Mae Yuen (Voluntary) X-NY 9T9

Another school year is about to start, and with it comes several improvements to the first year curriculum. This year's frosh have the choice between two courses in Calculus (both spring and fall terms) and Linear Algebra. As well, CIV101F Structures, Materials, and Design has replaced CIV100F Applied Mechanics. ENG182F/S, Effective Technical Writing, has been modified to incorporate a larger writing component. Electrical/Computer Engineering frosh will be taking a different Electricity course than the other disciplines.

In Calculus and Linear Algebra the original applications-oriented courses are offered along with the new, more formal versions. The new courses are more rigorous in nature, emphasising on abstract concepts and proofs. This split of the math courses has been made to accommodate the wide variety of backgrounds new students possess, such as differences between students from different high schools, and between Ontario (OAC) students and out-of-province (non-OAC) students. It is also the ideal way to meet the needs for a more theoretical mathematical background required by the disciplines of both Electrical and Computer Engineering. The two courses will be taught as a compromise between Electrical/Computer Engineering and the other Engineering disciplines, giving more freedom over the curriculum. Both versions of each math course will be graded on similar scales, so the choice of course should not affect the final mark. The final decision of which math course to take rests on the student, and should be based on both mathematical background and academic interests. There will be a three week grace period where students may transfer freely between both versions of a course.

The new course, CIV101F is similar in content and format to the Engineering Science course CIV102F. It will contain a larger design component and teach more basic concepts, increasing students' exposure to elements of design with a hands-on approach.

Most students are required to take ENG182F/S. However, an additional hour has been added to the lecture period to allow for guest speakers, enriching the course content. As well, in an attempt to address the engineer's need for strong English communication skills, essay-type assignments have been adopted, introducing a writing component into technical problems. The need of Electrical/Computer Engineering students for a solid foundation in electricity and magnetism has been met by the addition of the new course ECE115S. This new course will better prepare them for further studies in their discipline, focusing on electric and magnetic fields and other fundamental concepts.

There are several advantages to the new curriculum. It offers greater flexibility and choice for the student, and enriches his/her scholastic experience with "from-the-field" guest speakers and design components. A significant problem for Electrical/Computer Engineering students has been solved without greatly affecting others. There is little or no financial cost to the new curriculum's implementation since the number of students accommodated is constant and independent of the curriculum followed. The disadvantages are that students may not be able to stay with their frosh groups, the Office of the Registrar will have a heavier administrative load, and there may be a slight increase in the total number of sections. However these are far outweighed by the advantages of the new curriculum, and the quality of the first year program at U of T has just gone up a notch.

Courses in Eloquence

by Gina Seto NY 9T9

The title of "ENGINEER" has for too long been synonymous with such labels as "illiterate" and "inarticulate". Not only is it not a nice thing to say, but it also (sadly) hits very close to home. In an effort/attempt to raise the quality of its livestock/students, the Engineering Society, with the support of the University of Toronto Faculty of Engineering, will be offering new courses this year geared towards honing the communication skills of the participants. These voluntary courses will be held during lunch hours, once a week. Pay attention now, one class per week for three weeks makes a session, and there are two sessions per semester. Four sessions in total for the year! There are NO marks assigned and it is totally for your benefit. You can look forward to the presence of Rob Irish, an Industrial professor, and other assorted guests to run these classes.

WHO ME?

Anybody and everybody is welcome to attend these ambitious new courses. For those who are the less expressive type, or those who do not consider English as a useful language - it would be an excellent idea to try it.

GO TRY IT.
WHAT?
GO TRY IT!

You may want to know what these weekly Communications courses involve, too. Think of the countless ways in which ideas are exchanged between groups and individuals. Actually, let's count them (this is a tangent, only pay attention to the highlighted numbers):

1. Write-ups*: Newspaper articles are the way in which most engineering students learn of new, exciting courses
2. Letters*: In the business world, you will always be needing things from others Do you know the difference between asking and demanding, praise and criticism, or thanking and inflaming?
3. Public Speaking: Presenting your ideas to people is not easy. For someone who is terrified of public speaking, this could be a sore disadvantage in situations ranging from project design presentations to job interviews: the choice of words and their delivery can make or break peoples' decisions. The power to sway opinion has a definite advantage - uh.. The Cannon Rules!
4. Resumes*: When your life (or just the parts that are relevant and/or interesting) must be spilled out on paper, you will want to do with panache!
5. Phone conversations*: The time will come when you will have to call Boston (or some far away place) to discuss a product you know nothing about with a tech support guy/gal who knows even less. Develop armour against BS!
6. Debates*
7. Protests*
8. Love letters*

.. to infinity. Told you they were countless!

* Topics not focused on

Face it, articulation is useful. Now we can't promise that all of you will personally improve all of the communication skills listed above (since only speaking and listening skills will be emphasized) but here is your chance to enrich your ORAL communication skills. We are always open to suggestions as to other areas of communication where engineers are lacking - send them in to engsoc@ecf.utoronto.ca. Meanwhile, spare a lunch hour or two and get talking!

A Report on Skule™ Daze 9T6

by Xavier Galvez COMP 9T9

Skule™ Daze 9T6 is a chance for high school students to experience Engineering life at the University of Toronto. Over 140 students participated in this annual event which was held during the weekend of May 11 and 12, 1996.

Chaired by Binh Ha (Elec 9T8) and Rebecca Smith (NY 9T8), Skule™ Daze 9T6 was filled with activities to introduce pre-Frosh to the Faculty of Applied Science and Engineering. The participants were divided into groups headed by a pair of leaders and were toured around the campus. Sights included the Engineering buildings, several residences, Hart House and Robarts Library.

Seminars also graced the weekend, with the students choosing two fields that interested them the most. We appreciate the time the following speakers spent for the orientation: P.A. Sullivan (NY), M.P. Collins (Civil), G. Brown (Geological), J.W. Smith (Chemical), T. North (MMS), T. Sinclair (Mechanical), M.W. Carter (Industrial), and T. Abdelrahman (Computer). Also included were forums on the Professional Experience Year (PEY) and the different extra-curricular activities U of T Engineering has to offer (like the Varsity team, Skule™ Nite, Skule™ Book, Toike Oike, Cannon, LGMB, and a billion other orgs).

Of course, Engineering wouldn't be complete without a visit from the Lady Godiva Memorial Band and a few Engineering Chants and Hymns here and there. Other educational Engineering-related experiences included taking a dip at at the Athletic Centre pool, a late night movie of "The Usual Suspects" at the renowned Blue Room (SF1105), and a dance at the Atrium. To cap off the event was a Design Competition: building a bridge from a limited supply of popsicle sticks, string and glue. The winning design withstood a downward force of 2240 N, created by a load machine from the Civil Department.

Many of this year's Frosh will have been Skule™ Daze 9T6 participants and would maybe say that Skule™ Daze was the clincher that convinced them U of T Engineering was the place to be. Participating as a volunteer for this event certainly helps in student recruitment, and definitely maintains the high reputation of U of T Engineering. So come out and help next year. It's well worth it. :)

Don't Make Your Skule™ Life Pointless!

by Martin Bright ΝΨ 9Τ9

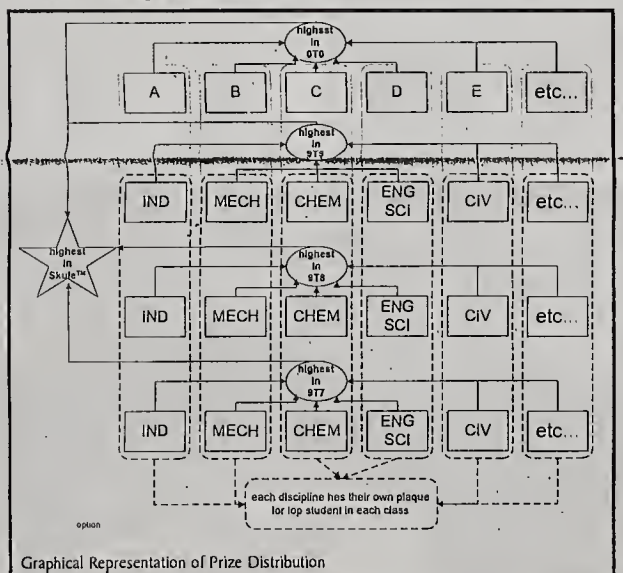
It was during an otherwise uneventful August evening that I barged in upon a meeting in the Eng Soc headquarters in Sandford Fleming: on the agenda, a new plan devised to increase the participation of students in Engineering Society events. It would appear that the Faculty of Engineering and Applied Science, the bastion of spirit and joviality on a campus that, for many, has acquired the reputation of a vast expanse of cold in which "you are just a number", was still not satisfied by the level of enthusiasm expressed by its 3000 members towards Skule sports, events and activities. It is definitely questionable that Skule Spirit has diminished, but the committee had not gathered to ponder about what made Engineering the best faculty for organised fun and social activities on campus... Resting upon their laurels and remeniscing about the past were not in order. Rather, the members were deciding on ways to further increase the participation of all engineers, be they Frosh or fourth year, Mech. or Civ. Growth was the number one priority. Hence the point system.

The system's initial foundation was designed on the assumption that the previous system did not reward students for their efforts in organising and taking part in school activities. This will be different from now on: students will be awarded points for each event they participate in. In order to provide an incentive for students to get involved, the points will be accumulated and students will be rewarded according to the total number of points they earn per term. At the end of the year, prizes will be given to the person with the top score out of each discipline in each academic year (Frosh, 2nd, 3rd, 4th). The grads will have an extra award for the engineer who accumulated the most points in all 4.(or 4 + P.E.Y.) years in the Faculty. In addition, prizes will be awarded to the top scoring engineer out of each academic year and, of course, for the top score overall (all years and disciplines).

Points will most likely be awarded throughout the year for participation in special events such as Frosh week (i.e. loudest Frosh group will get extra points), Oktober Fest (people taking part in the trip to Waterloo will pick up points), Skule Nite (performers and spectators), Gradball, Cannon Ball, involvement in the Frosh handbook and SkuleBook etc... Finally, group awards will be given to the class (or Frosh group) with the highest points per capita in each academic year.

The organisers of the point system have a number of issues to discuss before the school year starts in September. Financial backing is there although the specifics have yet to be determined. Administrative issues, delegation of responsibilities as well the nature of the awards are all matters that will have to be dealt with before the system is finalised.

Above all, the organisers of the points system do not want points to be considered as the



Graphical Representation of Prize Distribution

Join the Lady Godiva Memorial Bnad and get cool points!!!

Points Distribution

Category	*Points**
Eng. Soc. Council	on council 250
Member of Committee	170 (does not apply to those that qualify for above)
Attending meeting	10 / meeting (N/A to council member, except class reps.)
Organizer of a Special Event	at our discretion
Attending Event	25 / event attended (ie. Cannonball, Ski Trip, Gradball, Skule™ Nite, spectator of sports game...)
Sporting Events- team member (Intramurals, EAA)	participant 50 / game played
LGMB official member	50 / event, max 200
	Band Leedur 200
Toike Oike / Cannon	50 / issue worked on
	max. of 200
	Editor 200
Skule™ Book	50 / photographer
	100 / staff (works to completion)
Charity	5 / dollar (even outside charities, with receipts)
Blood Donation	100 / donation
Voting	10 / vote
Attending conference (PEO Conference)	100 / conference
Varsity Athlete	250 / sport
Negative points	at our discretion
Bonus points	at our discretion
Skule™ Nite	200 / cast, stage hands, etc...
Social event (Cannonball, Ski trip, Gradball)	15 / person
Entering a competition (OEC, CEC)	500 / competition
Faculty / class rep.	20
Joining Professional body (CSIE, SAE, IEEE)	40
Sunrayce	Team Leader ?
	Active Member ?
Skule Stage Band	200

*Subject to change with minor notices. We do not reserve the right of those changes. All first born are subject to approval.

Awards

Achievement	*Prize*
Individual	
first 1000(1,500?)	patch (you are now a Slingshot)
every 500 after first 1000	shot glass*(for first 500 you are a Arrow)
	beer mug*(for second 500 you are a Bullet)
	plaque with cannon on it (for third 500 you are a Cannon)
most accumulated pts. over 4 yrs.(handled by clubs, Joe Club Award)	Gradball or Club dinner or Cannon Ball or Skule Nite Tix., Skule Book (these awards can apply to above also)
highest in year	clothing (t shirt, etc...)
highest in the Skule	name on plaque/trophy and gift certificate

*All references to drinking vessels can be substituted with small glass or large glass

Class with highest points/capita	
for first term (optional)	TBD (funds?)
by frosh group after first term	TBD
by year for end of year	TBD
by year for 4th year (handled by fourth year chair)	TBD

Keeping track of points

At large events where there are no formal sign up sheet or where some form of attendance is not taken, a form will be available at the location of the event for the students to fill out as proof of their involvement. It is up to the organizer of that event to have the sign up sheet available.

Rules

1. The committee shall have at least 3 members present before a final decision can be made on awarding arbitrary points to the student in categories such as bonus/negative or event organizer.
2. Once a decision is made on the points awarded to a student it is final.
3. Any student who tries to accumulate points through cheating will be disqualified from any awards for the remainder of the students career in undergraduate engineering. Points will still be accumulated except no prizes will be awarded.
4. If there is suspicion that a student is cheating, sufficient proof is required before those points will not be awarded.
5. Points from some categories may not be awarded to a student if the activity carried out is required by that position in ENG SOC. (ie. Social Chair is not awarded points for organizing events like Oktober Fest as it is part of the positions duties)
6. Points are not awarded to members of ENG SOC's council for showing up to meetings.
7. Bonus points maybe awarded to students whose involvement in an event is above and beyond expectations. This will be based on the recommendations of the person in charge of that event. In the case that the person in charge of the event should be awarded bonus points, there must be sufficient proof that this persons involvement was above and beyond expectations.
8. The awarding of points will follow the ENG SOC year. A full Skule™ year is the life of the ENG SOC council. This will accommodate awarding of points to the fourth years. First years will have the opportunity to accumulate points during Frosh week.
9. Official points standings will be placed on ENG SOC's web page.
10. For those categories where there is a maximum limit on the number of points that can be awarded to a student, that organizer shall submit the students information once the limit of the points is reached or at the end of the Skule™ term, whichever comes first.

SPECIAL Frosh Section

Many Answers To Engineering Traditions

by Elfreda Lau IND 9T9

At this moment you may have been wondering how long it would take for the permanent purple dye to wash off your hands and other body parts you may have managed to decorate. Or perhaps you may have been speculating over the meaning (or most probably lack of meaning) behind the various rites of initiation you have recently and might I say unfortunately experienced. It's quite simple, really, these events were merely instruments of humiliation - to make you feel as embarassed and confused as we were when we first gathered on the steps of Con Hall, expecting an euphoric welcome into one of Canada's best engineering schools, only to be succumbed to every possible form of torture known to man/womankind at the hands of our upper-year colleagues.

Alright, alright, I may be exaggerating slightly but I do tell the truth when I say you have entered into one of the foremost academic institutions for the applied sciences in this country. You have also entered into a community rich in history and renown for school spirit and the pursuit of excellence. And at the heart of all these achievements is "our" University of Toronto Engineering Society. With this said (or written), I think it is best at this time for me to share with you a quick overview of certain aspects of Skule™ life as well as a few facts about the Society's formidable heritage in order for you to learn and appreciate the depth and magnitude of this institution's influence on past and present students.

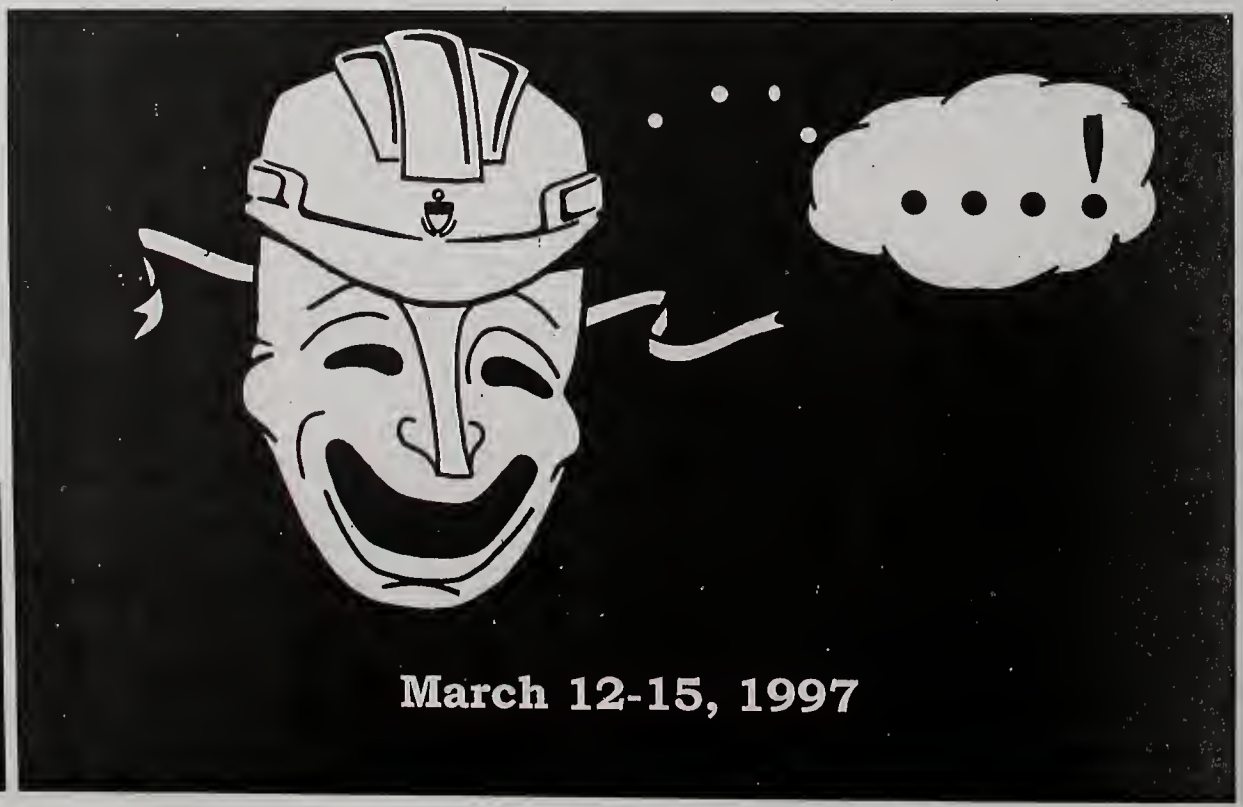
This is brought to you by the Best Friends of Canada

The Engineering Society began in 1885 with T. Kennard Thomson, a second year student in what was then known as the School of Practical Science. Not only did he propose and achieve the formation of Canada's first engineering society but he was also able to harness fullfledged support for the idea from Professor John Galbraith (later Principle and then Dean). It originally began as a forum for technical thought and ideas, but as the years progressed, the U of T Engineering Society became more and more oriented to providing engineering students with social activities and events. One of the earlier examples of such gatherings was the Annual School Dinner. Once a lavishly decorated affair, the dinners were attended by many students and were often held at Toronto's finest hotels. Unfortunately rising costs and declining interest overburdened the event. Today, we have a less spectacular version of the affair known as the "Cannonball", usually held at the closing Godiva week in January.

Another tradition that has been around for some time, perhaps one of a more humorous nature, is the Engineering Skule™'s pranks and capers. Some of the more notable capers have included rebuilding a car in the President's office, planting a tree on the roof of the Forestry building, and redecorating the dome of the Student Administrative Council's (SAC) headquarters (the Old Stewart Observatory) into a Mickey Mouse hat with ears and all!

What was once marked the "highlight of the school year", SKULE™ NITE is the annual musical/theatrical production staged by the Engineering Skule™. Originally, back in the 1920's, it was decidied by the Engineering Society that a 'stunt night' should be organized for the engineering student body - a lighthearted night of entertainment to relieve the students of mindless hours of homework and studying. This led to their first show, aptly titled "The NGYNRS In SPASMS", performed at Toronto's Massey Hall. It would soon become the most popular, must-see event in the entire university, drawing the attention of the press and scouts from all over Canada. But despite the early fanfare, the production has lost much of its revelry and limelight through the years due to declining interest and financial problems. Today, SKULE™ NITE is held at the Hart House Theatre and runs about three shows in the month of March.

And of course, there are those infamous first days of the engineering student's life at university in which freshmen are subjected to acts of humility and obedience by sophomores in attempts to "humble the newcomers". At least nowadays, freshmen can dress anyway they want (well, within the legal limits). Back when Skule™ was still in its youth, newcomers were expected to don green ties instead of today's yellow hard hats. But even though we have our share of laughs during this time of year, don't think for a moment that engineers are not as serious and as dedicated to helping the community as other professions are - our volunteer efforts during the Annual Charity event prove this! *It started in the 1950's as a concerted response to a call for help by the* City of Toronto when Hurricane Hazel devastated section of the city. Three motivated engineering students succeeded in organizing 1100 Skule™men together to donate both money and manpower to the clean-up. Since then, it has been a tradition to take one day during orientation week to help out at shel-



ters and nonprofit organizations throughout the city ot demonstrate to Toronto that U of T engineers care!

Oh, before I forget, the reason why you have been immerse in buckets of purple ink is because it symbolizes the engineering profession, that is, if you have not already noticed, most of the sketches used by engineers are printed in purple ink. Of course, in today's 'wired' society much of this work is completed on the computer. And, if I remember correctly, it took me a whole week of intense, painstaking scrubbing to get most of the dye off my hands.

I hope you realize by now that being a U of T engineer is NOT 'all work and no play' (despite the rumours you may have heard). It is a relentless attempt to broaden our minds with higher knowledge in hopes that we may one day aid in the advancement of humanity, coupled with many doses of just plain fun and hilarity! Perhaps what best describes the U of T engineer's outlook on life is our Skule™ motto "Scite et Strenue", in more understandable terms, "Skilfully and Vigorously". It is this attitude which contributes to our Skule™'s legacy of spirit and determination and continues to distinguish us as the leaders and innovators of tommorow.

Cast of Skule™ Nite 96 during a rehearsal

Frosh at Convocation Hall during Orientation 95

Ye Olde Chariot Race - Just add snow!

Toronto at Night

Keener Corner

by Gina Seto (a.k.a Queen Keen) NT 99

The first day of school is upon us once again, relentless and promising. Aching as we are to get an education, it is important to remember all of the extra things we need to kickstart us into the school year!

1. Five Star Binder - excellent for organizing notes/assignments, and durable as well.

2. Cork backed Ruler - a must for neat, easy to understand notes.

3. File-o-Fax - a much better alternative to the U of T agenda book, which is usually riddled with ads... cheaper no name brands are available too!

4. (BIC) Mechanical pencils - the small foam covering is easy on hands for those lectures that don't let up, and the point stays true.

5. Clear plastic (lab) covers - key for presentation: labs, title pages, etc.

6. Post-It Pads - the small sizes are especially handy for transporting homework and assignment information across the room.

7. Hewlett Packard - ultimate calculator and formulae diary! Amen. So there you have it. These tried, tested, and true materials are a head start to academic prosperity!

Keen Pointers

Point #1: NOW is a good time to make photocopies of old exams, while the lineups are short! (Note to Frosh: copies of old exams up until about five years ago are available at Sir Sandford Fleming Library, second floor, with an SAC card as collateral) These exams are easily compiled and can be mass photocopied across the street (Allcos, etc) at 3 cents a page! Not only will they be quintessential at exam time, they will also be handy throughout the semester to map your progress! Hop to it!

Point #2: For Frosh especially, it pays to get familiar with your Common Room. It is a healthy source of old assignments and tests (not available at the library) not to mention the invaluable advice of people who have already completed your course (ie upper years). It is also a good place to garner sympathy and understanding from fellow classmates. You can compare your assignments with the very same people. Be careful when exchanging notes, however. Allow other people to photocopy your notes, but don't let them take the originals home with them. Reciprocate the favour, it helps avoid conflict.

Point #3: Books should always be bought beforehand - mornings at the bookstore are most quiet. A good idea for those who intend to attempt all of the assigned questions out of textbooks is to photocopy the questions and answers from the text and put them in your (Five Star) binder. Homework becomes much more accessible - you can do it on the subway, in a waiting room, at lunch... all without having to lug your textbook around. Granted, there will be things that cannot be done without the textbook, but the majority of the questions (in first year, at least) can be done using lecture notes alone. Putting your notes to use gives you the added advantage of understanding them fully before the inevitable reviews for mid-terms and exams. Checksum!

Good luck to all on your first day (revisited)!

Questions for Queen Keen and suggestions for Keener Pointers are always welcome! Please send your comments to seto@ecf.toronto.ecf.

Meet the Engineering Society Officers...

Franny Jewett

President

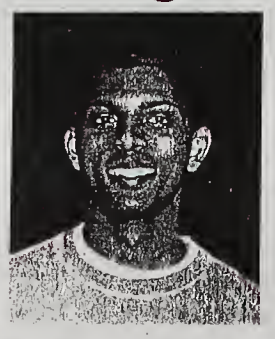
CIV 97?

The Engineering Society will play a more important role in your future than you may think! Leadership, team work and communication skills are becoming ever more important in the work place and recent surveys show that these are the skills employers are looking for. Use the Engineering Society to get the experience you need. Why not enhance the extra-curricular section of your resume with some Engineering Society involvement? There are many committees, like Women's Issues, Social, Professional Development, Professional Experience Year, Blue and Gold, Engineering Faculty Council, First Year and Employment, not to mention the Engineering Athletic Assoc., Communications (i.e. this newspaper you're reading), SUOS, and much much more. There is something for everyone.

The Engineering Society Executive has been hard at work over the summer, restructuring and improving Engineering Society functions. For example, keep your eyes open for pertinent industry talks, voluntary effective communication courses and a NEW SUDS! The Engineering Society office has also been renovated so drop by and check it out.

In the coming year, the Society will be completing an internal assessment to determine what further changes are required to prepare it for the 21st century; however, we need your help. To get a clear idea of how students feel about the Society and where they want it to go, student input is needed from every year and discipline. Participate in internal assessment work shops and be part of a powerful Engineering Society!

The Engineering Society will be holding an "Open House" *during the first full week of classes over lunch hour (12-2)*, with committee sign-ups and office tours. Drop by and see what we have to offer, after all, it is YOUR ENGINEERING SOCIETY!



Savio Rodrigues

VP Activities

CIV 97?

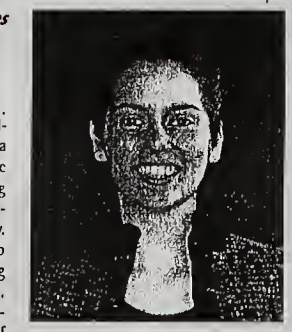
Well, if you're reading this, that's a good sign. Let me first start by saying welcome to Skule - enjoy your stay. My name is Savio Rodrigues. During Orientation week, most of you probably spend a lot of time partying and attending Engineering Society events. You probably also have a blast doing so. But when Skule starts, many of you will hit the books and forget about the Engineering Society. This may be because some will be scared of failing, or others will want to do as well in engineering as they did in high school. But there's more to Skule and to life than hitting the books. Don't get me wrong, I'm not saying studying and passing is not important. IT IS!!! What I am saying is - A balance between studying for school and extracurricular activites is the key to being successful at university and later in your future. Getting involved in Skule will be satisfying and will also teach you how to manage your time; a VERY important skill which you'll require for any job you get in the future. So, during your stay at Skule, study hard and play even harder.

Don't ever use the excuse - I would go to that event if I had the time. There's always time, you just have to find it. If the upper years (with all their work) can be at Eng Soc events, so can you.

So see you at Engineering Society events like Blue & Gold meetings and building parties, Godiva Week, Suds, Frosh Nite 2, Oktoberfest, Social Committee Pub Crawl, Frosh for a day, Cannonball, S-Dance, Skule Nite, Godiva's Wake, Movie Nights, BNAO Events, and the ver popular Frosh Suds.

See you around Skule.

P.S. Come by Eng Soc and come see me or any of the other officers. They're all friendly and willing to help. Drop by, and say hi, we don't bite (well..., not unless you ask us to).



Lucy Pegoraro

VP External

IND 97?

Hello Frosh and welcome to Skule. For those of you who are returning, welcome back. I am Lucy Pegoraro, VP External for the upcoming year. I would like to inform you of a few things that are going to be happening this year, and what the VP External position can do for YOU.

1. There is an email "link" set up by the Canadian Federation of Engineering Students (CFES) that students can subscribe to. This is an information link where students can post messages about areas that they would like to learn more about, or issues they want to discuss with engineering students across the country (NOTE: Several engineering students across the United States are also on this link). EVERY student has the opportunity to be on this LINK.

If you would like to be on it, leave a message in my mailbox in Eng Soc, or email me at engsoc@ecf.utoronto. ca.

2. There are several conferences that students can attend. If you participate in ANY Eng Soc events, and think that you would like to learn more about what is happening outside the university, there will be several opportunities to apply to attend some of these conferences on behalf of U of T Engineering:

- CCES - Canadian Congress of Engineering Students
- ESSCO AGM - Engineering Student Society Council of Ontario Annual General Meeting
- PEO Conference - Professional Engineers of Ontario Conference
- Women in Engineering Conference

If any of these interest you, once again, leave a message in my mailbox, and I will be sure to contact you when applications are available.

3 . As most of you probably realize, it is becoming increasingly difficult for engineering students to find summer jobs. I shall be sending a questionnaire (in mid September) to second, third, and fourth year students (through class reps) about the companies students worked for, the type of work they did, and if they thought it was relevant to their development. The information that I receive will be collected and made available to YOU (in the Cannon).

Therefore, to help other students, and to also obtain more information about employment for YOU in the upcoming summers, please fill out the questionnaire that will be handed out next week by your class reps. The success of this survey will depend on YOUR participation.

Anyways, that is my blurb on some of the stuff is available YOU this year. Get involved in the many different types of events that Eng Soc is going to be hosting - there is something for everyone.

Remember - KEEP INFORMED, PARTICIPATE, and HAVE FUN! GOOO LUCK! !

Drago "Puff" Banovic

VP Finance

COMP 97?

Hello to all you Frosh out there, my name is Drago (Puff) and my main purpose is to have, I mean to make sure you have fun this upcoming year. My official duties are to ensure that the Levy Fund is distributed properly--this is money to purchase new lab equipment, etc. I am also responsible for balancing and distributing the Engineering Society's operating budget during the year.

Furthermore, I am here to ensure that you Frosh enjoy and never forget the fun that you will have during orientation and the year. I am not hard to find and if there is something you don't understand, or you would like to get involved more and not sure where, I can help. You are entering an institution (Skule™, not jail) and its your solemn duty above all else to maintain and improve Skule™ Spirit. Anyways, good luck and see you around Skule™.

Binh Ha

Secretary

ELEC 97?

Due to unforseen circumstances (travelling to Hong Kong, to be more specific), Binh is unavailable to do her writeup. So we (the editors) are filling in. The Secretary's job is to take the minutes at all Eng Soc. meetings, order the pizza for those meetings, and put together all those spiffy agendas (as well as write-up year end reports -- I think).

Binh sends her congratulations to all new Frosh, and encourages all of you to come to her with any problem you may be having, large or small. Any time of day is fine too -- three o'clock in the morning? No problem! Well, she didn't say EXACTLY that, but we just thought that we would continue in the spirit of the thing...

(And in case you haven't noticed, this has been brought to you by the fine editors of the Frosh Handbook!)

...and Executive Members

Civil Club Co	Andrea Boddy
Civil Club Co	Constance E. Scott
Geo Club	TBA
Mech Club	Taras Kohut
Ind Club Co	Aldo Angel
Ind Club Co	Errol Cerit
Eng. Sci. Club	Kern Lewin
Chem Club	Oave Dubins
MMS Club	Lucy Bahoudian

ECE Club	Tony Lacavera
4th Year committee Co	Tanya Lindsay
Blue and Gold	Steve Dennis
Social Co	Stephen Rouatt
Social Co	Sandra Vela
Employment	TBA
High School Liaison	Oan Popadynec
1st Year Committee	Stephen Rouatt
Communications	Christian Bosio

EAA	Gord Bennett
EFCR	Adriana Ieraci
Exec. SAC Rep	Steve Ekstein
Prof. Oevelopment	Anjan Nayani
Women's Issues	Allison Brown
PEY Co	Sergio Rattner
PEY Co	Kamran Bahrami

The Club Reports

Chem Club

by Dave Dubins, Co-Chair CHEM 97

Rooted in the early 1800's, the Chemistry Club has helped establish such foundations as the Royal Philharmonic, the CIA, the FBI, and the Canadian Mounties. Through the funds accumulated from our pop machine AND our infamous smokers, we have enabled the construction of projects such as NASA, the Skydome, and more importantly, Druxies. Everyone in the Chem. Eng. undergraduate program is automatically a member. Our home is Wallberg 238B. This year we are proud to announce that our common room is staying exactly the way it did last year. We also have a new club office, WB249. It takes people to run the chem club, real people. This year there are 2 chairs. We even have a few tables. Sylvia Squair has a lot of energy and enthusiasm as our new co-chair. Germain Beaudoin is our faithful vice-chair. Alisa Ling, on top of having an AMAZING body of knowledge, is our Treasurer. Jagdev Bahra is our communications chair but I haven't been able to get a hold of him. Bernadette Zapanta starred last year as the only second year at smokers, making her the social DIRECTOR this year! Wendy Wong is our secretary and Mike Lo is our temporary sports director (its a long story). All of these people don't bite (too bad) and are very friendly. They even put up with me, so don't be afraid to hunt them down if you have any questions. This year we are looking forward to our usual BBQs, smokers, the Chem Dinner in the spring, volleyball and hockey tournaments, and of course, OF COURSE, fusball. Sharpen your wrists because YOU ALL SUCK!! So I hope to see you all this year because our events are always weird and fun!

Civ Club

by Andrea Boddy, Co-Chair CIV 97

The Civ Club, of the University of Toronto, Department of Civil and Environmental Engineering, is a non profit, student organization which hopes to meet the needs of all Civil Engineering students. All students,who are registered in the Civil and Environmental Engineering Program, at U of T, is a member of the Civ Club. The Civ Club Executive (1996 -1997) are dedicated to bringing some new and exciting activities, to all thestudents of the Civil and Environmental Engineering Department. The CivClub will be holding different activities on the second last Friday of each month, during the fall semester and on the second last Thursday of each month, during the spring semester, in the Civil Common Room (4th Floor Galbraith). The following is a list of some of the Civ Club events planned for thecoming school year: Big Brother, Big Sister Smoker (Come out and make new friends. "All Frosh Welcome!!!!") Coffee House (Looking for singers, musicians, comedians, etc. to perform at Coffee House Events) Common Room Crawl (All Commons Rooms will be open for visitors) Civil Dinner (Dinner and Dancing) Civil Baseball and Hockey Challenge (For the sports lover in you) Food Drive Smoker (Charity Event) Iron Ring Ceremony Check out our new Civ Club Web Page, featuring monthly calendars with the dates of upcoming events and academic information about tests, assignments etc., cool graphics, events, advertisements, and much, much more.

ECE Club

by Tony Lacavera, Chair COMP 97

This year is going to be an exciting year at the ECE club. Our club room is located in the basement of the Sanford Fleming building right next to professor Joy's office. In case you didn't know, the ECE common room and Ella (your ECE undergraduate counsellor) are in the same hallway. Please feel free to drop by the club room if you are new to the Skule, if you have any questions, or if you just feel like getting to know the club members. Our club includes James Maligeorgos, Tony Lacavera, and myself as chairs. Dan Foisy is the Comp Vice-Chair, Gio Costantiello is our Treasurer and Sports Director, Yuan Qin Lee Helen is our Social Director and Secretary, Vasilis Papanikolaou is The Man, and our publication reps are Peter Andromeda (he's from far away) and Mike Camarda. Look out for all club events including our dinner-dance and smokers. We will be electing our class reps in the beginning of the year so if you would like to get involved in the ECE club just stand up in your lecture and say so. Good luck this year!

Eng Sci Club

by Kern Lewin, Chair NY 97

Welcome ye hordes of Frosh... all aglow with your unwashed brains, you minds and bodies yet unbroken by Skule's glorious insanity. On behalf of the Engineering Science Club I greet thee. The EngSci club is an organization designed to provide a safe and efficient interface between the students of Engineering Science and the real world; it is our purpose to keep our people hermetically sealed in the sanctity of our common room (which you are welcome to visit over in GB147 if you can get past the laser strobes in times of war). It is therefore our duty to keep the common room stocked with all of the necessary amenities of a "home", without letting it look like anybody's bedroom. In the Common Room the haggard EngSci will find food and drink, games and music, the occasional party (ye classic "Smokers"), and enough computing power to stop a moose.

However, it is not enough to merely provide for the maintenance of our "bunker" as a bulwrk against the feared aggression of the outside world; no... it is also essential that activities be planned to release the otherwise-inevitable-lethal pressures of Engineering. Past club activities have involved a ski trip, a mass invasion of (Paramount) Cananda's Wonderland, an all-expenses-paid trip to the lush island of Fiji, and a couple of fantabulous Centre Island picnics.

Okay, so we didn't go to Fiji.

Well, hope you all have a fun, and reasonably tax-deductible year. If you want to find out what we're up to, or complain about our incompetence or smother us with praise, my e-mail address is: lewin@ecf.

Geo Club

Geo Club Guy

Welcome to hell, firoshi The rumor's out. Four years in engineering and you'll become a lifeless, number crunching geek. Although this isn't entirely false, take a moment to put up your feet and crack open a cool one...you're in Club Geo. SF 1007 is your daily escape from the fire and brimstone. The Geo Common Room, host of the famous Geo Smokers, is the home to the friendly and plentiful (acutally there are only about 60 of us) Geos and anyone else who knows the combo to our lock.

Semi/quasi/pseudo-athletic? You're in luck. The Geo Club offers you the chance to show off your lack of stamina, strength, agility, coordination, and anything else that separates humans from lower caste species, in our many sports teams, including volleyball, basketball, swimming, and cock-fighting (not offered in the 1996-1997 school year.

Expect to see notices coming up shortly regarding seminars and luncheons with industry big-shots, who will share their wealth (of knowledge, that is) and experiences as working Geological Engineers. You don't want to miss this! Many students have made valuable contacts from these events.

For more information about any of the above call us at 978-7811. Someone will answer. Who? Only time will tell.

Indy Club

by Aldo Angel, Co-Chair IND 97

The University of Toronto Industrial Engineering Club originated with the introduction of this splendid discipline in the late 60's. Connections to the Roswell Incident have been documented but such testimony cannot be legally verified. The present headquarters for the Industrial Club (the Indy Common room) exists in the lower spine of the luxurious Rosebrugh estate. Upon arriving at Planet Industrial (as the lower specimens call it), you will be welcomed by either one of three demonic hosts. The Ind Club is maintained by Aldo Angel, Errol Cerit and Alessio "the Hammer" Marchesi, who will be happy to escort you through a journey of self exploration, consciousness expansion, socialization and speech therapy. The Industrial Club is a profit organization whose primary purpose is to create the social environment where aspiring engineers can create the personal liasons that will become instrumental in future career development. All disciplines are welcome, negative attitudes are not. The Industrial Club Common Room is a non-academic site. The personal abuse of prescription drugs is a practice we do not recommend. Murder is deemed illegal by the province. We welcome all FIROSH to all our events.

Mech Club

by Engy Khalil, Vice Chair MECH 97

Welcome everyone to the 1996/97 school year! I am Engy Khalil, the current Mech Club Vice-Chair. This is to tell everyone about the club and what great events to expect this year.

The Mechanical Engineering Club is comprised of every mechanical engineering student at U of T. The people who administrate the club are the executive. At the moment, we do not have a Club Chair. Fourth Year students be aware that we will be holding an election soon to elect one. The Club's Treasurer is in Mech 9T8 and her name is Olena Juzkiw. Joanne Farrington is this year's Secretary. We also have Class Representatives from each year except first year. The Second Year Rep also will be elected soon. The Third Year Rep and Fourth Year Rep are Anjan Nayani and Nick Itsou, respectively.

Chances are you will find many students playing pool, fussball; cards, or just hanging out at the Mech Common Room. We also have a tutorial room where you can study in quiet. If you are ever in the Mechanical or Mining Building, and you just gotta have a pop, swing by the common room. Pop only costs 60 cents! Besides the pop machine, you may find the photocopier or the free phone very useful. The common room and the tutorial room are on the second floor of the Mining Building. To get there from the Mech Buildlng, just cross the little passageway (right beside Rm 252 and Rm 254) and they will be there.

Most of the smokers we will have during the year will be in the Mech Common Room. The first one we will have will be a book swapping smoker in September. Besides smokers, the Mech Club is famous for their Bar-B-Qs. You won't be able to miss us during these, which are held outside of Sanford Fleming. Don't be surprised if the Mech/Indy Dinner this year will be even bigger and better than last year's Dinner. Look out for posters up in October for this great November party. If you are looking for an U of T Mechanical Engineering T-shirt or hat, just chase after your Mech Club Class Rep or drop by the common room. Due to the tremendous success of last Valentine's Day's first ever Mech Kiss 'n Hug-o-grams, look out for them this year, as well as the Candy-cane-o-grams at Christmas. .

Many other activities are also in the works for the coming year. So, just keep an eye and ear open!

MMS Club

by Lucy Bahoudian, Chair MMS 97

Hello MMS Frosh and welcome to Skule™. As a member of the department of Materials Engineering, you automatically become a member of the MMS club. What exactly does the MMS Club do for you? Well, in addition to having use of the best and brightest common room on campus (WB143) - equipped with a microwave, pop machine, sofas, and some other stuff, not to mention access to a telephone, computers and lockers - the club offers all members the chance to take part in various social activities such as smokers, field trips, smokers, club dinners, smokers....

So if you happen to be in the area and want to meet your upper class people, or if you need help with problem sets, labs, or even if you just want to relax, play cards and have fun...come on in...to the MMS common room (WB143) and join the club!

Entertainment

Edenfest Survival Guide

by Mike Lane COMP 9T9

Having survived the ordeal myself, I feel qualified to present you with this survival guide, which I desperately wish someone had given to me before it all happened. Well, perhaps the mighty EdenFest will happen again next year and the year after, and you will all find this useful. But if this years was to be the only one, I hope you'll find this entertaining, whether you were there with me or not.

Rule 1: Walk.

I want you to imagine (or reminisce with me if you were there) 20,000 people, all emerging from their cars, all waiting to get on one of ten shuttle buses, to take them a mere ¼ kilometer. My advice - walk it, a fine tradition our friend Joe McNamara of Suds fame began, and legions followed after. My sincerest heartfelt pity for those of you who waited four or more hours, but come on now, a four hour wait for a ten minute walk? Thanks for the wake up call, Joe.

Rule 2: If you're in the deep woods, you've gone too far.

When choosing your camp site, be very suspicious if the undergrowth is taller than you are, and the mosquitoes look at each other and say, "My, we haven't see anyone out here for years" and then attack you like an artsie on a cup of cappucino. Take it from me, it's not worth it. Stick to the track.

Rule 3: Don't get drunk before the first band comes on.

I'm sure the Refreshments were disappointed with the listener turnout, but my observations would indicate that all 50,000 people were drinking. Don't kid yourself and say, oh, just one more, then we'll go see glueleg, cause it ain't gonna happen.

Rule 4: Don't kill the guy from St.Anne's.

When you get out to the concert area, you'll find that there's only one guy selling water. No one else is allowed to sell water. This guy wants $2 for one of those little, little bottles. Stifle the impulse to strangle this guy. It's not worth it. Just head on up to the beer tent and fill up on water for free, then everyone's happy. Lots of people never realized there was free water in the beer tents. I bet lots of people are reading this now, going "What, there was water in the beer tent!?". My apologies if you're not 19. Hope you had fake id or a big fat wallet.

Rule 5: Don't be in the mosh pit when Bush X comes on.

I'm still pretty upset about this. I mean, why did they have to come out and play machine head first? They were supposed to build up to Machine Head. It was supposed to be an encore. Oh well, bruises heal.

Rule 6: Don't be in the mosh pit when Live comes on.

I didn't learn. I thought, if I'm in the second row, I can use the wall as support and I won't die. Wrong. Thanks to the security guard for pulling out my girl before she became mosh pizza. I don't even like Live that much. I was just getting close in time for the Hip. I even sat through Love and Rockets just to be close for the Hip. I'm still bitter.

Rule 7: Shower.

Please. Stinky people and mosh pits don't mix. I know the line ups for the shower were ten years long; Be inventive, like Jake, whose Sprite bottle shower, while not advancing the cause of hygiene, entertained us a whole lot.

Rule 8: Have a great time.

It truly was an amazing experience. So many great bands put on great performances specifically mention Bush, Spirit of the West, Spacehog and Goo Goo dolls, who all absolutely rocked! If you like this kind of music, and you didn't make it this time, be sure and take it in next year. But before I finish, here's my idea for next year. Maybe instead of announcing a special guest, and then having no one, maybe they should actually book someone. That would be cool.

Philosophy and Arts

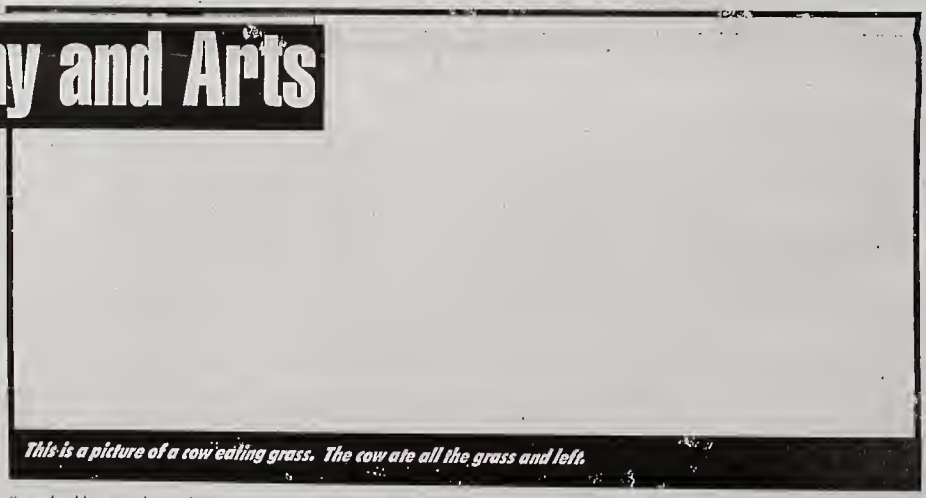
More Than Larger Structures of Bytes

by Teresa Huang GEO 9T9

Greetings! This is a column. This is my column on words. Anything remarkable about words such as puns, euphemisms, interesting etymologies, hyperboles and other rhetorics and fallacies. Let us talk about the art of being vague today. It is the skill of conveying something explicit while trying to be implicit. There are times when one would not want to be as subtle as a sledgehammer. There are times when certain things should be implied but not declared. And then there are times when the circumvolution of this conversation will be a contribution to your confusion. Like that guy that was making these audaciously lewd comments to my friend. It was asked whether he had burned his tongue during breakfast and had lost all the buds on it. Ahhh, a look of complete mystification.. Yes. It was sort of implied that he was being tasteless.. but I guess that was not very clear. Or maybe he just had the intellect of an amoeba. At any rate, sometimes in order to actually communicate while being vague, some common knowledge is required, or maybe the correlations should just not be too bizarre.

Bizarre correlations. If I were to say that I was acting like the scare-crow while feeling like the tinman, would you have understood? Of course. It could have probably been surmised that I was stuck between two parallel universes. (while (universes == guys)) Indeed, metaphors and similes are wonderful when one is trying to beat around the bush. The most metaphoric conversation that I have had, must have been the cupcake-muffin discussion over the Net quite a while ago. He needed a blue cupcake, but wanted to try the red muffin. Alas, he ended up being more competent than Win95 - true multitasking. And by running all those programs simultaneously, well only in memory, he sort of caused a GPF. Brilliant lad.

Anyhow, it is early Sunday morning. If you have any good puns (Ha! There's an oxymoron for ya!) and word related stories, please do e-mail me. After all, these kinds of mail bonding does not require a locker room. Kind regards.



This is a picture of a cow eating grass. The cow ate all the grass and left.

Rejected Cannon Article Titles

Keener Corner == Keener Korner (Keeners Canspell!) ==Keener Column (Yuck!) == Gina's so Keen

Points to Consider == What's the POINT (SYSTEM)

A Birth & a Merge == A Merge, then a Birth

Enriched Courses for Elecs & Comps == Elecs & Comps prepare to be Normal Functioning Members of Society

Courses of Eloquence == Learn to Talk

My Space for Rent == Mr. Ed == My Space, You Can't Have It

In the future, this space will be filled with a more comprehensive Arts magazine. If you have any artistic ability and would like to submit something, please drop it off in our mailbox and we'll take a look at it.

Sports

ENG-JOC: Engineering Athletic Association

by Gina Seto ΜΨ 9Τ9

1996-97 EAA Executives

President	Gord Bennett
Promotions	Allison Brown
Men's Athletic Director	Matt Czarnota
Women's Athletic Director	Cathy Cheung
Treasurer	Joel Alo
Graduate Correspondent	Aryn Pyke
Secretary	Alex Paridi

F!rosh Recruitment

Contrary to carefully constructed stereotypes, atheletic enthusiasm and talent do flourish in Engineeringland. You, yes ALL of you F!ROSH, have the opportunity to continue the sports you loved in high school and to venture into a new realm of sports (like the really cool ones in Atlanta).

Lemme explain this slowly...

There are two basic ways of athletic expression in the university: Varsity sports (meaning intercollegiate), and Intramurals (which consist of teams from the Scarborough, Erindale, and St. George Campuses). The former is usually of a different calibre from the latter, which is most evident from the enormous time commitment that high competition Varsity sports demand. Many engineers manage to succeed in balancing Skule and Varsity - don't write off your chances! However, participating on intramural teams is just as fun and rewarding (not to mention less travel time) and often the more popular choice.

Our Menu This Season....

Engineering produces an astonishing number of teams to represent us in the intramural system. Occasionally, enough interest is pooled within a more concentrated group to produce a team all on their own, like the civil graduate's hockey team (which by the way won!). More likely, an existing team (structure) is what you're looking for. Here is what this year's opportunities look like:

Team	Type (Men's, Women's, Coed)
Field Hockey	W
Volleyball	M, W
Ice Hockey	M, W
Basketball	M, W, & C
Rugby	M
Waterpolo	M
Inner tube waterpolo	C
Indoor soccer (winter)	M, W
Outdoor soccer (summer)	M, W

Specials

Do not forget that there are countless tournaments that are held all the time throughout the entire year. Badminton, tennis, squash, co-ed softball — check with the athletic directors: they have mailboxes in Eng. Soc. Also check out events at the Athletic Center or Hart House, the two main athletic facilities of St. George campus, for any sport you deem underrepresented in the intramurals.

Quality Control - Divisions

Often, in sports as popular as field hockey or basketball, a wide range of skills exist within the swarms of interested, spirited signees. Yes, we do want ALL of you..so we place several teams into different divisions to let people play at the level they are most comfortable at.

There's a niche for everyone!

Division I teams - generally more competitive, talented, impressive...well, just better!
Division II teams - less competitive (dare I say more fun?), geared for athletes looking for a more easy going atmosphere
Division III teams - all you need is a pulse out there!
No division - all of the above :)

The Mad Hordes of F!rosh

Masses, puny as the constituents maybe, are daunting nonetheless. The F!rosh signups held during orientation are always bombarded with enthused young uns' with no foresight (how could you without hindsight?). So now each team has a cast of thousands (even lacross). But don't be discouraged - make sure YOU sign up for the teams you really want because 80-90% of the signees will hit classes, assignments, and mid-terms like a brick wall and they won't want to do what they so cheerfully volunteered themselves for way back BC (before class). Not that it would happen to you or me, of course. Always keep in mind though, while discovering that engineering is as tough as they say, participation in extracurricular activities is what makes your university experience. You bet your HP's!

BLUE CREW: Who Knew?

A List of BLUE CREW Events

September
3- Varsity Blues baseball vs. McMaster @ Skydome, 1pm
4- Frosh Nite Party @ St. Lawrence Market, 9pm
6- SAC Carnival Day, Downtown Parade, 11am Carnival on Front Campus, noon Dance 'til Dawn @ Hanger, 9pm
7- Varsity Blues Football vs. York, Theme: "The Bluer the Better" @ Varsity Stadium, 2pm- Tailgate Party
10- Koffler Centre Open House, BBQ hosted by BLUE CREW
11- Blue Jays Game vs. Texas @ Skydome, 7:35pm BLUE CREW performing the 7th Inning Stretch
21- Varsity Blues Football vs. McMaster, Theme: "Hang onto Summer" @ Varsity Stadium, 2pm- Tailgate

October
4- Homecoming 9T6: blue & White Ball- Semi-Formal @ Great Hall, Hart House
5- HOMECOMING 9T6: Pre-Game brunch 11am-2pm Varsity Blues Football vs. Laurier, 2pm Post-Game BBQ, 5pm
10- Red & Blue Bowl- Varsity blues Football vs. York Bus trip to York, 2pm
18- Oktoberfest @ Bingeman Park, Kitchener - Waterloo
19- U of T Day
26- Varsity Football vs. Western Pre-Game Tailgate, Varsity Stadium, 2pm

Rugby: Engineers Rule

by Gina Seto ΜΨ 9Τ9

This summer, a pioneer team of dedicated rugby players was pulled together by Matt Czarnota to be a part of the Ontario Rugby Union. The bulk of this team was composed of engineers (or "engineering bulk", if you like). Czarnota himself is a second year engineering science student with an intense interest in the game.

These guys have the opportunity to play all across Ontario, like Brampton and Etobicoke. Okay, mostly across the GTA. With games on Saturdays, they make a point of practising every Tuesday and Thursday. Objective: Team FIERCE.

Two teams were formed out of the numerous players. The first has a respectable running record of 3-3 as the season begins to wrap up this August. The second team, although equally competitive, has a more dismal score of 2-5. This, of course, could not possibly be the fault of bad refereeing in several specific incidents. However, the team will rally on towards the end, somewhere in mid-October.

With a few months left in the season, anybody interested in trying out for a good game of rugby is encouraged to contact Matt at czarnot@ecf.utoronto.ca. Hardhats off to a great accomplishment and outstanding effort from our fellow (future) colleagues!

The 75 Year Tradition of Skule™ Nite

Adapted from Skule™ Nite History from the 1973 Skule™ Nite Programme, by R. S. Joliffe

Adapted by Trevor Mills, Skule™ Nite 97 Producer

Eight-thirty o'clock, Wednesday, March 2, 1921. The last few bars of the overture were barely audible as the thunderous applause of 1343 people opened the main curtain of Massey Hall. this marked the beginning of what was to become the "highlight of the school year" in not only the Engineering Faculty, but in the entire University. In its time it would become a full-length show running for as many as eight performances drawing crowds of up to three thousand people, attracting the attention of the press, television and theatre scouts form all across Canada. In the next fifty years out of this show would develop some of the best musical comedy that has ever originated in Toronto.

The origins of Skule™ Nite can be traced as far back as the early years of the century. At that time there was no show as such, but frequently students and professors would perform short skits and musical ensembles at social events during the year. In 1920 the Engineering Society Executive appointed a Stunt Night Committee to bring together all these scattered dramatic efforts into one show. As it turned out, there was so much interest in this idea that it was decided Massey hall should be rented for the performance. On March 2, 1921 a thirteen act review called "Ngynyrs in SPaSms" was performed with overwhelming success.

The great success of this show brought "Ngynyrs in SPaSms" back to Massey Hall the next year. As in the year before, tickets were sold at fifty cents each to cover the $198.13 used to rent the Hall. Again, the show was extremely well received.

In 1923 however, the format of "Ngynyrs in SPaSms" changed quite radically. The show was moved to Hart House, for reasons that had little to do with the show itself. It was actually done to share the fun of the show with the lady friends of Engineers. You see Massey Hall in 1923 was strictly men only.

That year is regarded as being the beginning of School Night. It truly was a school night, with all facets of student activities on display. Admission was free and restricted to schoolmen and their lady friends. There were over two thousand people in Hart House that night, and the format of School Night that was established continued for over twenty years. The humour presented in these shows, like present day Skule™ Nite, was based on a satire of the present life in the university and country. It is interesting to note that many of the attitudes that were depicted in the early days School Night are still prevalent today. The School Night of 1929 presented a sketch in which the Varshitty staff was convicted of "many unmentionable crimes" and the editor was subsequently hanged. Doubtless the sketch would still raise laughter today.

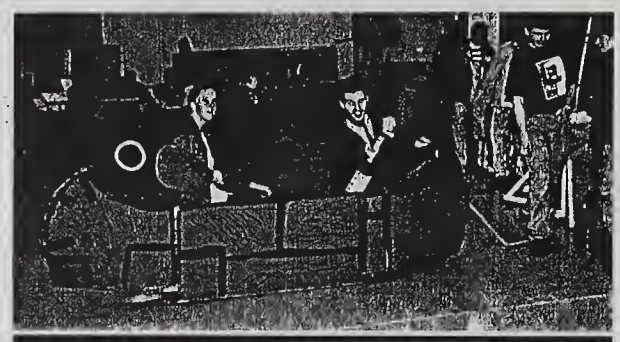
For the next twenty years "School Night" "School Nite" and eventually "Skule™ Nite" enjoyed the reputation of being the most popular informal night on campus. It was credited with the highest attendance of any social event put on at the University. by 1936 the evening had expanded to include two performances, a buffet supper and dancing with five orchestras until 2:00am. It was certainly a full evening of entertainment.

The following years saw improved lighting, detailed sets, and more and more impressive technical effects. The number of people involved in the show grew each year, with people returning to take part in the show for their second, third and even fourth season. Some people, collectively known as fossils to Skule™ Nite cast and crew, would get involved in even more shows. Skule™ Nite '97 marks the 25th show in which Skule™ Nite fossil Rob West has been involved.

Nineteen forty-five began a trend in the style of School Nite that would last for over twenty years. By 1949, eight performances of the show were being given, and people were still clamouring for tickets. It has been said that in the fifties, one ticket to Skule™ Nite would trade for two tickets to the Grey Cup on the open market.

The shows themselves were made up of short sketches, quick and fast moving, each one poking fun at some institution, tradition or faculty. Sex and booze were recurring themes in many sketches, and for the most part were used to poke fun at Engineers themselves.

In the later sixties however, attendance at Skule™ Nite was beginning to drop off, as it was for many campus activities at the time. The once spirited college student was being replaced by a more serious breed which was not the least bit interested in the old "rah rah" life that at one time had embraced the university. This change in student attitude began to make it hard to justify the thousands of dollars that were being poured into Skule™ Nite. In 1968, a last ditch effort to regain an audience brought the musical comedy "Stop the World, I Want To Get Off" to the stage. The show was extremely well done, but again attendance was missing, and the show lost thousands of dollars. In 1969, Skule™ Nite would not be put on at all.



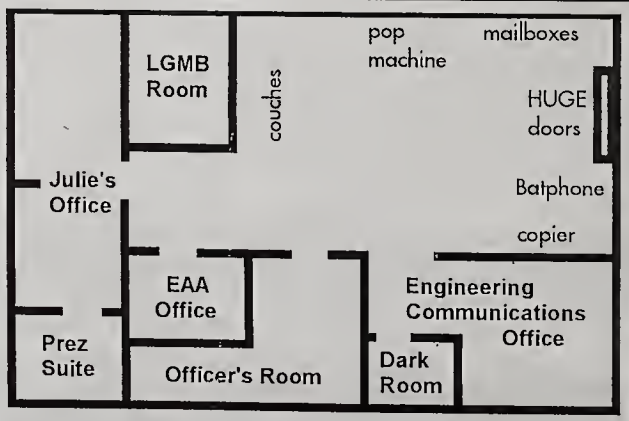
Skule™ Nite '96 cast and crew hard at work

it was not until 1973 that the show was brought back to life. A new and improved show came to Hart House Theatre in February of 1973. thanks to the spirit created about the centennial anniversary of the faculty that year, the show once again played to full audiences.

Skule™ Nite has continued in the trend set that year to the present day. Skule™ Nite 97 will once again offer hilarious comedy, nifty gadgets, incredible singing and mind boggling dance numbers. Skule™ Nite has worked for over 75 years to gain the reputation of the most professional show put on across the whole campus. Come see Skule™ Nite 97 and find out why! You may just catch a ghost of some one from Skule™ Nite's past sitting next to you and nudging you in the ribs, sharing the humour of the show!

JOIN THE CANNON!

Are you tired of not being heard? Well here's the opportunity. Join the staff of The Cannon and make a statement! Whether you are interested in writing, drawing, doing layout or just want to soak up atmosphere and bounce around ideas. We're always looking for fresh new faces so come on out and bring us your creative brain! The best part is, no experience necessary. We teach you all you need to know, and if you can teach us, all the better!



So whether you're F!rosh or whether you're mature upper-years, be not shy! And if you're lucky, there's free food! (no guarantees) If for any reason you can't make it and are still interested, e-mail Albert Lee at *leealb@ecf* or Karen Virk at *virk@ecf*.

Our next meeting is on Thursday September 12 @ 5:00 pm in Engineering Communications. That is in the engineering society, the first door on your left. Be sure to check it out!